

20010521.qrp v02_n196.qrl.20010521

Date: Mon, 21 May 2001 19:03:08 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2196

QRP-L Digest 2196

Topics covered in this issue include:

- 1) [98520] MH101 VFO Pictures
by "Brian Murrey" <bmurrey@amexol.net>
- 2) [98521] 80M QRP?
by Ted Wagner <kb9rpd@yahoo.com>
- 3) [98522] Re: RTV + Solder = Trouble ?
by "Steve and Anne Ray" <sbralr@worldnet.att.net>
- 4) [98523] Re: K2 Troubleshooting Help Please
by "Don Wilhelm" <w3fpr@arrl.net>
- 5) [98524] This line bread, tomorrow line potato.
by nilsbull@juno.com
- 6) [98525] Fiberglass antennas recoincedered
by nilsbull@juno.com
- 7) [98526] Re: K2 Troubleshooting Help Please
by "Dave Fifield" <ad6a@earthlink.net>
- 8) [98527] For sale: Yaesu FV-301 VFO for FT-301 transcievers
by Steve <seemann@tcia.net>
- 9) [98528] Re: 80M QRP?
by John Wagner <john@neknetwork.com>
- 10) [98529] Re: This line bread, tomorrow line potato.
by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
- 11) [98530] Hoot Owl Sprint
by Randy Foltz <rfoltz@turbonet.com>
- 12) [98531] Re: Another PSK31 question
by John R Kirby <n3aaz-qrp@juno.com>
- 13) [98532] Somebody feng-huo'ed my radio.com
by nilsbull@juno.com
- 14) [98533] Six meter queskins
by nilsbull@juno.com
- 15) [98534] RE: Source for Ni-Cads?
by "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
- 16) [98535] Re: Another PSK31 question
by Brendan Minish <EI6IZ@oceanfree.net>
- 17) [98536] Re: new Kenwood radio?
by N1EU <n1eu@yahoo.com>
- 18) [98537] Re: K2 Troubleshooting Help Please
by "Karl F. Larsen" <k5di@zianet.com>
- 19) [98538] Re: RTV + Solder = Trouble ?

by "Lau, Zack, W1VT" <zlau@arrl.org>
20) [98539] RE: RTV + Solder = Trouble ?
by "Roger A. McCarty" <rmccarty@earthlink.net>
21) [98540] Re: Six meter queskins
by Curt Milton <wb8yyy@yahoo.com>
22) [98541] RE: This line bread, tomorrow line potato.
by "AI2Q Alex" <ai2q@adelphia.net>
23) [98542] Re: Somebody feng-huo'ed my radio.com
by William R Colbert <w5xe@juno.com>
24) [98543] Re: TenTec RF Connector Query
by "Lau, Zack, W1VT" <zlau@arrl.org>
25) [98544] Re: PSK with DSB?
by "James P. Osburn, P.E." <j.p.osburn@ieee.org>
26) [98545] FMV of HW-8, buying advice.
by "N0RC, Rod Cerkoney" <n0rc@hotmail.com>
27) [98546] RE: This line bread, tomorrow line potato.
by William R Colbert <w5xe@juno.com>
28) [98547] RE: Halogen Light Noise
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
29) [98548] TICK & SW40+
by "Ken Kirkley" <ogbc@mindspring.com>
30) [98549] Re: FMV of HW-8, buying advice.
by "Tom Dufresne" <tdufres@hotmail.com>
31) [98550] Fishing pole vertical questions
by "Mike Malone" <mmalone@worldlogon.com>
32) [98551] Re: Fishing pole vertical questions
by ARDUJENSKI@aol.com
33) [98552] K1 WANTED
by Bob Kerby <w4bld@juno.com>
34) [98553] Toroid post
by "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
35) [98554] Re: Six meter queskins
by Jeff Stai WK6I <jstai@home.com>
36) [98555] Re: Toroid post
by Phil Wheeler <w7ox@earthlink.net>
37) [98556] OT: Heath IM-28 VTVM Help Needed
by David Beach <dbeach@blvl.igs.net>
38) [98557] RE: Six meter queskins
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
39) [98558] RE: W8PIG on the air again with the TT2: 19May01 2000z
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
40) [98559] noise on K2
by Anthony Felino <anthony@pacinfosb.com>
41) [98560] Re: Six meter queskins
by Garie Halstead <k8kfj@ntelos.net>
42) [98561] Re: This line bread, tomorrow line potato.
by "George, W5YR" <w5yr@att.net>
43) [98562] Re: This line bread, tomorrow line potato.

by "James Parsons" <res075cz@gte.net>
44) [98563] RE: THE toroid post of Chuck Adams
by "Ed Tanton" <n4xy@att.net>
45) [98564] Re: Toroid post
by "L. Mark Pilant" <n1vqw@arrl.net>
46) [98565] Re: Source for Ni-Cads?
by Walter D Amos <walt_amos@juno.com>
47) [98566] Re: Toroid post
by John Wagner <john@neknetwork.com>
48) [98567] Re: THE toroid post of Chuck Adams
by "Brian" <bmurrey@amexol.net>
49) [98568] Re: PSK with DSB?
by "Oleg Borodin" <master72@lipetsk.ru>
50) [98569] Toroids to xtals
by "Oleg Borodin" <master72@lipetsk.ru>
51) [98570] Got my KD1JV wattmeter kit today!!
by "Ed Tanton" <n4xy@att.net>
52) [98571] CW & QRP Stuff...
by "Stephane Collas" <Stephane.Collas@wanadoo.fr>
53) [98572] Re: Got my KD1JV wattmeter kit today!!
by Phil Wheeler <w7ox@earthlink.net>
54) [98573] PSK with Solaris
by "Richard Clemens" <clemens@wvwc.edu>
55) [98574] Fwd: Re: Six meter queskins
by Jeff Stai WK6I <jstai@home.com>
56) [98575] Re: Toroid post
by "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
57) [98576] FDIM Images
by "John P. Cummins, Sr." <jpcummins@charter.net>
58) [98577] Re: [GQRP] Acid effects
by Euramcom <mel@euramcom.freemove.co.uk>
59) [98578] Re: Got my KD1JV wattmeter kit today!!
by Bob Nielsen <nielsen@oz.net>
60) [98579] Astatic mikes D104 crystal, 10D was dynamic
by "Stuart Rohre" <rohre@arlut.utexas.edu>
61) [98580] FDIM 2001
by "Kenneth Evans" <w4du@mediaone.net>
62) [98581] Re: Got my KD1JV wattmeter kit today!!
by "Steven Weber" <kd1jv@moose.ncia.net>
63) [98582] RTV sealants and corrosion
by "Stuart Rohre" <rohre@arlut.utexas.edu>
64) [98583] Re: FDIM 2001
by <igeq100@iupui.edu>
65) [98584] what antenna to use with SMK?
by "Delbert Long" <ad6we@hotmail.com>

Date: Sun, 20 May 2001 18:10:29 -0500
From: "Brian Murrey" <bmmurrey@amexol.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [98520] MH101 VFO Pictures
Message-ID: <000b01c0e182\$10c64040\$af2f2bd1@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Does anyone else have pictures of their finished VFO? I just got back from
FDIM and Dayton and am trying to catch up. Having trouble getting it to fit
in a 3x3cm box.

Thanks

=====
KB9BVN NORCAL 2792 FISTS 5695 QRP-L 1540 QRP-ARCI 10223
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
Member of the American Radio Relay League - SOC #400
FISTS Century Club #764/#24 QRP - Flying PIG QRP #-57
=====

Date: Sun, 20 May 2001 16:44:49 -0700 (PDT)
From: Ted Wagner <kb9rpd@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [98521] 80M QRP?
Message-ID: <20010520234449.20862.qmail@web14003.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Any recommendations for 80M QRP transmitters or transceivers? Kits?

Thanks

73, Ted

=====
KB9RPD
Ted Wagner
Plainfield, IN 46168 USA
<http://members.tripod.com/kb9rpd>
<http://www.qrz.com/database?callsign=kb9rpd>

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<http://auctions.yahoo.com/>

Date: Sun, 20 May 2001 20:20:16 -0400
From: "Steve and Anne Ray" <sbralr@worldnet.att.net>
To: <qrp-1@Lehigh.EDU>
Subject: [98522] Re: RTV + Solder = Trouble ?
Message-ID: <002f01c0e18b\$d3ba9ca0\$82174d0c@home>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Depending on the makeup of the curing chemical in RTV it can be bad news especially in a sealed environment. Many years ago I worked on a project for the Air Force that had an sealed airborne switch. There was nothing new about the design, but the manufacturer on his own felt it was a good idea to use a small dab of RTV to hold a wire down (naturally the drawing did not call to anchor this wire down). The Air Force bought close to 2000 of these switches, and when you opened them they would smell of a sweet acid, sort of like citric acid. By examining the dates of manufacturer and the dates they were sealed, you could predict which ones would be corroded. Switches made on a Friday, but not sealed till Monday did not have any corrosion (the RTV would be cured by Monday and out gassed), but any switches that were sealed within 24 hours of the RTV being applied suffered corrosion. Needless to say the manufacturer was not happy to have to rework 2000 switches.

72,
Steve Ray K4JPN ex K1VKW
HW-101, HW-8, Elecraft K2 1422
HeathKit fan
EM82fp
Warner Robins GA

Date: Sun, 20 May 2001 20:27:07 -0400
From: "Don Wilhelm" <w3fpr@arrl.net>
To: <ad6a@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [98523] Re: K2 Troubleshooting Help Please

Message-ID: <008b01c0e18c\$cc2dd280\$d3c83004@dbw11main>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Actually Dave, that request was posted on the Elecraft reflector as well as QRP-L, so I don't know what you are referring to as 'off-list', and so I question your statement about 'dirty laundry'.

I can't speak for Elecraft fixing it for free, but I have always found the folks at Elecraft quite above board with everything. It seems to me that Joel is making an attempt to fix it himself before Field Day and likely does not want to send it in for investigation and repair.

73,
Don Wilhelm -Chapel Hill, NC W3FPR home page: <http://www.qsl.net/w3fpr/>
QRP-L # 485 K2 SN 0020 [mailto: w3fpr@arrl.net](mailto:w3fpr@arrl.net)

----- Original Message -----

From: "Dave Fifield" <ad6a@earthlink.net>

>

> Actually, I would think that Elecraft would take the rig in and find
> and fix this one for you for free - they don't like discussion of their
> technical dirty laundry being aired "off list" ;-)

>

Date: Sun, 20 May 2001 20:08:18 +0000
From: nilsbull@juno.com
To: QRP-L@lehigh.edu
Subject: [98524] This line bread, tomorrow line potato.
Message-ID: <20010520.201218.-436271.0.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Yoldashlar!

Yahshimusizler! (Read with Boris Badinov voice) Once more I survive
Hamvention. Many line. Line for bus ticket. (Kaghazsiz sen bir axlat;
kagazbilan sen adam!) Line for bus. Line for line. Walk many time market
of fleas. Interrogate SGC peoples. Get many confession. Nobody denounce.
Next year more struggle!

I was doing my Comrade McTovarishov voice for the bus ticket line and handed the guy two \$1 coins. He says "What's this?" I said (Boris voice) "Is coin of realm. You want maybe ruble better?" He says "Ah! You're not from around here!" I said (in hick-hayseed voice) "Nope. I'm from Medway, 'bout 20 miles over yonder." Then, back to Boris. Guy at the bus is checking our tickets. I said (Boris voice) "Kaghazsiz sen bir axlat; kagazbilan sen adam!" He smiles. I say "You know what means that?" "Nope." "Is Kazakh. Means 'You have papers, you OK. You no have papers, you piece of trash.'" He smiles. I get on the bus.

So I'm about one row & some inside the flea market and I see these guys with a bunch of stuff sittin' there. One of the stuffs is a Yaesu FT690R. Six meters. Multi mode. Is long time dream from old country. We talk, me and the guy selling the radio. I go to bank machine. Get money. Buy radio. Been at the Hamvention about 25 minutes total. About two hours later, after twice being rained on & going inside to deposite my ticket stub & see the QRP corner loonies, I go home. About fifteen minutes home I turn on the slobberin' iron, find all my tiny part handlin' tools, take medications. Modify radio.

Stupid radio had a positive shell power connector, same size as K2. Everything else here is positive center, like K2. So I also hose the radio up to my 14 V charger 'cause it's got NiCads innit & I go to dinner. Come home. NiCads very warm. NiCads mushy. I throw away NiCads.

I call the Ramada Inn South -- which has two different listings in the phone book, only one of which rings at the front desk (the other into some void, I suspect) -- and ask when the QRP banquet is. "Is it tonight?" "Yes." Ok. I sit around the house until about 8 pm & then get in the car. I'm about 7 miles from home and figure "Nah. I'll go tomorrow night when I don't have to wait for all the dinner stuff."

I find out the next day that the hotel phone answering person is just as I would have expected . . . in Kazakhstan, not but Ameiriqadan tamam, ne? . . . that the banquet was Saturday & I should had otter have gone to the hotel on Friday night. So I plan to go to the post-banquet doin's later. Like around 10 p.m.

I got earlier the next day 10 more NiCads, a Ten Tec cheapo keyer, a Transel Tech 6m/2m mobile antoona, a ARRL repeater directoroid, and some other stuff what I've forgot what is was and lost already anyway. And the FOXX3 that I'd badgered the badgers about before and all that too.

I get home. Cindy & I & the young 'n go to the mall to get trousers for his school music thingie & to eat dinner. We get home. I go upstairs and modify the radio some more. (I stole the circuit for the battery charge line in the K2 so I wouldn't have to buy more batteries on Sunday.) Then, about 10:22, I finally calm down from all the modifications -- at one

point I blew up a power supply and, being near the window, out it went, two stories into the lawn -- I realize that I ain't gonna get to the after-banquet thingie anyway.

So Sunday morning I get up, get about a mile from the house & realize that my ticket is still in my hunting license pocket on my jacket. I turn around, go back, get the jacket, fill up a water bottle, drive to the Salem Mall, stand in line for potato, get on bus, go Hamvention. Leave water bottle in car. Visit many peoples. Say good-bye, hosh, allahasamaladiq to the G-QRP crazies, and think about my experiences modifyin' the FT690R.

It comes to me while talking to -- and wouldn't you know I get confused about who was what . . . Gary I think I was talking to (at the K2 booth) -- that the FT690R is a CB radio that's been upsized or upfrequent to 6 meters. AM, FM, CW, SSB. And CW only works if you key the mic & then press the key.

You see other modification coming here? Steal idea from "Oner." Make key down radio go transmit. Also need wire key amplifier. Need amplifier. Need money. Denounce whole family for money . . .

Then I went home, around noon, and got home just in time to help my back-door neighbor who's losing his cognitive functions get my lawnmower started so he can mow his lawn. Sweet guy. Strong as an ox. Sat for eight hours one day trying to figure out how to put a garden hose together. Had two male ends on one hose & couldn't figure out why they didn't mate with the hose he had tied to the outside faucet. And he's becoming more aphasic every week to boot.

Then I went upstairs and had one of those "I'll crawl into the back of the cave & wait for the seizures & death to come take me" migraines. The inside of my head felt like it was on fire. Five hours pass. Cindy finally came in & gave me some special migraine headache medicine she's found. Two hours later I got my lawnmower back and mowed the front lawn.

The mosquitos are out.

I survived another Hamvention. I will now modify the radio . . . again.

There's always next year . . . maybe.

73

Nils

. . . hatten lever s rooooooligt . . .

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes

Sonrientes

<http://w8ijn.www6.50megs.com> -- W8IJN --

<http://members.fortunecity.com/nilsbull>

"In MY day we FIGHT to have earphones! Every DAY was STRUGGLE!"

-- Comrade Nikolai Sergeievich McTovarishov, 19

Oct 1917

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<http://dl.www.juno.com/get/tagj>.

Date: Sun, 20 May 2001 20:12:09 +0000

From: nilsbull@juno.com

To: QRP-L@lehigh.edu

Subject: [98525] Fiberglass antennas recoincidered

Message-ID: <20010520.201218.-436271.1.nilsbull@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Y'all,

Remember a couple years ago I got this idea about putting a beam antoona together with fiberglass and then layin' metal tape on the outside of the elements so I could make elements for 15 & 10m on one boom with two physical elements? Well, don't look now, somebody else had the same idea.

Out in the fleas there was this guy selling fiberglass (or maybe PVC) conduit VHF beams with the elements inside the plastic tubing. Said it cut down on rain static &c. Sounded reasonable to me. But I'd just sunk over \$200 on a radio & other doodads & didn't think it judicious to spend more on stuff that would only end up with an outside cussin' match trying to put it on the end of a pole. With a rotor what I also ain't got.

Then I went inside the Hara place and found "Fluid Motion Antenna Systems." They make a SteppIR(tm) thingie that you can start out with as a rotatable dipole or into three elements if you wanna. One antenna, three elements (or two if you're cheap like me) for everything between 6m & 20m. The trick is the innards of the fiberglass from which the antoona is built.

At the element ends of the antenna are boxes with stepper motors that reel out copper tape with sprocket holes in it. The copper tape slides down the innards of the fiberglass elements, unreeling just enough of

what you need for whatever band. Fancy control box. Digital display. All that stuff.

Sounds like something I'd dream up.

Heck, maybe I did. But even if I didn't, it's another hare-brained idea I can fiddle with. Seein' as how I need a 6m antenna now. I can make it with light weight PVC tubing and hang it in the attic (or out on the pole, if I wanna go through the cussin' match) and have the wire elements inside it to do the radiatin'. Sure fire way to see if the "eliminates most rain static" hypnosis wears out.

And no, I ain't gonna discuss the problem of element spacing as the frequency goes up . . .

Only thing is, I won't have the stepper motors & I won't have the fancy controller. And I won't spend nearly \$100 for a MFJ two element 6m antenna out of a box . . . even if building the box antenna would be easier & probably involve a lot less cussin'.

And then there's this little lovely: If you're into "world music," then you must visit the world at one of these URLs:

<http://user.tninet.se/~prv247p/hatt/>
or <http://come.to/hatten>

It may help if you Flash or ShockWave, but I think they've played on the generic media player on some machine that I was showing the URLs to oncet or so. When you've gone to either site & you've listened to the music, I want to ask you: "What language is this in?" De som bor i Norden trenger ikke svare. And somewhere the's an English translation. Search under "hatten er din" with "engelsk."

73 og ha de godt!

Nils,

. . . V lte hatten i Berts cola-au-lait!

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes
Sonrientes

<http://w8ijn.www6.50megs.com> -- W8IJN --

<http://members.fortunecity.com/nilsbull>

"In MY day we FIGHT to have earphones! Every DAY was STRUGGLE!"

-- Comrade Nikolai Sergeievich McTovarishov, 19

Oct 1917

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<http://dl.www.juno.com/get/tagj>.

Date: Sun, 20 May 2001 19:22:04 -0700
From: "Dave Fifield" <ad6a@earthlink.net>
To: "Don Wilhelm" <w3fpr@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [98526] Re: K2 Troubleshooting Help Please
Message-ID: <005301c0e19c\$d5ce78c0\$0600a8c0@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It's simple - I refer to the fact that Joel's email was posted off the Elecraft list. What's your question about my "dirty laundry" statement? Let me know and I'll try to answer it.

72, Dave, AD6A

----- Original Message -----
From: "Don Wilhelm" <w3fpr@arrl.net>

Actually Dave, that request was posted on the Elecraft reflector as well as QRP-L, so I don't know what you are referring to as 'off-list', and so I question your statement about 'dirty laundry'.

(snip)

> Actually, I would think that Elecraft would take the rig in and find
> and fix this one for you for free - they don't like discussion of their
> technical dirty laundry being aired "off list" ;-)
>

Date: Sun, 20 May 2001 22:40:46 -0400
From: Steve <semann@tcia.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [98527] For sale: Yaesu FV-301 VFO for FT-301 transcievers
Message-ID: <3B08802E.5AFCE8E4@tcia.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

\$70.00 and you pay shipping.

I have a working FV-301 VFO for the FT-301D/SD series transceivers.
Included is the original manual (in Japanese) with schematic.

email if interested

Steve, N4EY

Date: Sun, 20 May 2001 22:41:35 -0400
From: John Wagner <john@neknetwork.com>
To: kb9rpd@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [98528] Re: 80M QRP?
Message-ID: <3B08805F.751CB2BB@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Ted [not related?],

I have a Small Wonder Labs SW-80+, which I find to be an excellent little 80m QRP rig. I think they still sell for \$55 (sans hardware), which is about the best deal you're going to find on such a nice sounding little radio. See <http://www.smallwonderlabs.com> for more details.

73,

John, KB1ENS

Ted Wagner wrote:

>
> Any recommendations for 80M QRP transmitters or transceivers? Kits?
>
> Thanks
>
> 73, Ted
>
> =====
> KB9RPD
> Ted Wagner
> Plainfield, IN 46168 USA
> <http://members.tripod.com/kb9rpd>
> <http://www.qrz.com/database?callsign=kb9rpd>

>
> -----
> Do You Yahoo!?
> Yahoo! Auctions - buy the things you want at great prices
> <http://auctions.yahoo.com/>

--
John Wagner - john@neknetwork.com
Web page: <http://www.neknetwork.com>

Date: Sun, 20 May 2001 22:42:50 -5
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
To: nilsbull@juno.com, qrp-1@Lehigh.EDU
Subject: [98529] Re: This line bread, tomorrow line potato.
Message-ID: <20010521024105.GUOV23469.invictus@n8et>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Nils -

After reading your "Post Dayton Post" - I want you and the rest of QRP-L to know that if you have any trouble at all with the FOXX3 you bought from me, please let me know and I will fix it for you. I don't want to be responsible for you getting another migraine...

I am glad you survived another Dayton!.
73 - Bill - N8ET
Kanga US
kanga@mail.bright.net
<http://www.bright.net/~kanga/>
419-423-4604

Date: Sun, 20 May 2001 20:42:31 -0700
From: Randy Foltz <rfoltz@turbonet.com>
To: qrp1_post@lehigh.edu
Subject: [98530] Hoot Owl Sprint
Message-ID: <3B088EA7.2BE8EBE7@turbonet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Coming up this weekend is the QRP ARCI Hoot Owl Sprint. It is a short, easy going contest on Sunday May 27 from 8 PM to

midnight your local time. Doesn't matter which time zone you're in it is 8 PM to midnight in your time zone.

You have my personal guarantee that conditions will be better than they were for the Spring QSO Party. :)

The usual ARCI rules apply. Get on and have some late night fun. It is a great warm-up to the late night part of Field Day.

Here is a summary of the contest.

Date/Time: May 27, 2001, 8 PM through midnight LOCAL TIME.

Exchange: RST, State/Province/Country (SPC), ARCI number or power if you are not a member.

QSO Points:

Member = 5 points

Non-member different continent = 4 points

Non-member same continent = 2 points

Power Mult: (highest power used determines multiplier)

0 to 250 mW = X15

over 250 mW to 1 W = x10

over 1 W to 5 W = x7

over 5 W = x1

Suggested Frequencies: The usual 80, 40, 20, 15, and 10 m QRP ones.

Score:

Points (total for all bands) X SPCs (total for all bands) X Power Multiplier

How to submit your entry:

Entry includes a copy of logs and summary sheet. Include legible name, call, address, and ARCI number, if any.

Entry must be received within 30 days of contest date.

After the contest send your report by visiting

<http://personal.palouse.net/rfoltz/arci/form.htm>

Check the web page at

<http://personal.palouse.net/rfoltz/arci/highclm.htm> to see what others have claimed as their scores.

Snail mail entries go to

Randy Foltz

809 Leith St.
Moscow, ID 83843

--

73,
Randy, K7TQ
QRP ARCI Contest Chairman

Date: Mon, 21 May 2001 06:33:55 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: fred.devries@mindspring.com, qrp-1@Lehigh.EDU
Subject: [98531] Re: Another PSK31 question
Message-ID: <20010521.064448.-134607.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

>This is probably a silly question, but I have not seen the answer:

No question is silly,
if you don't know just ask.

>Does PSK31 require a SSB rig?

Almost any CW *ONLY radio can *receive PSK31,
short term VFO stability is the main issue.

Yes, a SSB radio is required to *transmit PSK31, however,
on what sideband is not an issue in BPSK mode
(you can be on USB and the distant station can be on LSB and
nobody knows the difference) BUT,
both stations must be on the same sideband in QPSK.

Radio bandwidth is not an issue,
the software takes care of that stuff
(approximately 31 Hertz).

Radio 'audio' processing is an issue,
turn OFF all that stuff.

Transmitter *drive level is an issue,
be sure to run the *level adjustment
provided with most software.

PSK31 is an O U T S T A N D I N G

weak signal (qrpp) mode.

Contrary to popular belief PSK31 is an analog mode.

John
N3AAZ
FM 19 xa

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 21 May 2001 06:06:23 +0000
From: nilsbull@juno.com
To: QRP-L@lehigh.edu
Subject: [98532] Somebody feng-huo'ed my radio.com
Message-ID: <20010521.061839.-187373.3.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Y'all,

Man, did somebody misread my note or did I leave something out? About them Chinese radios what's pictured on the <http://www.fenghuoradio.com/> web site? I seem to remember having said something about the six-foot pole on the back of a GI radio that said "shoot me first." I even looked.

But for them what took the time to check the web site, you may have noticed that they spoke of SMD technology inside the box but showed no robots puttin' parts on boards. Just pictures of many Chinese people bent over work benches.

As for the so-called "spy plane" what the Good Commies (as opposed to Fidel, who is a "Bad Commie" of long standing [another piece of political BS that gets a completely different rant, even without the Chinese/Good Commie tag]) pulled down, I have said before that were that plane to have landed in Jose Marti airport, the Fifth Marines would have been on the beach within minutes. Even if Fidel had said "Take the damn thing back! We don't need your junk here!" It's just that we need all those slave-labor-made McDonald's Happy Meals toys and those cheap-butt batteries for our Chinese-made camcorders (and that collection of nouvea-yuppie blue china [plates]).

But then, how many folks want to chase down the origins of the parts in them radios we've all built, drooled and slobbered together all these many years of QRP & the Internet allowing us to be even more vocal than the gang on 3950. Which is another story . . .

I just thought the green radios was interesting. I wasn't askin' anybody to buy one, fer cryin' out loud! Or was that "clyin' out roud!"?

73

Nils

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes Sonrientes

<http://w8ijn.www6.50megs.com> -- W8IJN --

<http://members.fortunecity.com/nilsbull>

"In MY day we FIGHT to have earphones! Every DAY was STRUGGLE!"

-- Comrade Nikolai Sergeievich McTovarishov, 19

Oct 1917

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 21 May 2001 06:33:39 +0000

From: nilsbull@juno.com

To: QRP-L@lehigh.edu

Subject: [98533] Six meter queskins

Message-ID: <20010521.063350.-351765.0.nilsbull@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Y'all,

I've got a ARRL VHF handbook from around 1970. My most recent ARRL publication after that is last years ARRL handbook. My knowledge (and contingent technology) on VHF is pretty antique. Bleak. Thin. Wimpy.

Anybody got a hint on what books or sources I might find to elucidate for me the vagaries of 6m propagation?

Especially the cussin' part for buildin' antennas out of PVC pipe?

73

Nils

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes
Sonrientes

<http://w8ijn.www6.50megs.com> -- W8IJN --

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Date: Mon, 21 May 2001 07:47:56 -0400

From: "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>

To: "'markem@cervnet.com'" <markem@cervnet.com>, Low Power Amateur Radio
Discussion <qrp-l@Lehigh.EDU>

Subject: [98534] RE: Source for Ni-Cads?

Message-ID: <078F21595FA7D411B87B00805FA728E64A4799@atlexc02ntms.hboc.com>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Mark,

Hosfelt Electronics has 600 MA name brand ones for \$1.40 I believe. They
have NiMh 1600 MAh for 1.80

Jerry

W3CDE

-----Original Message-----

From: Mark M. [mailto:markem@cervnet.com]

Sent: Sunday, May 20, 2001 1:54 PM

To: Low Power Amateur Radio Discussion

Subject: Source for Ni-Cads?

Anybody have a good source for AA Ni-Cad batteries? I need to stock
up...about 20 or so. I'm looking for good, new batteries, not surplus. R/S

has 4/\$10 but I think I can do better elsewhere? Any suggestions?

Thanks... Mark AA7TA

Date: Mon, 21 May 2001 12:52:18 +0100
From: Brendan Minish <EI6IZ@oceanfree.net>
To: n3aaz-qrp@juno.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [98535] Re: Another PSK31 question
Message-ID: <5.1.0.14.2.20010521120357.032f91f8@mail.oceanfree.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 06:33 21/05/2001 -0400, John R Kirby wrote:

>Contrary to popular belief PSK31 is an analog mode.

Can you please explain, I always thought that PSK31, Hellschreiber (and for that matter CW) were digital modes because they have finite states.

73's De Brendan EI6IZ

--

Brendan Minish EI6IZ
ei6iz@oceanfree.net
PGP key available from key servers [wwwkeys.pgp.net](http://www.keys.pgp.net)

Date: Mon, 21 May 2001 05:24:37 -0700 (PDT)
From: N1EU <n1eu@yahoo.com>
To: qrp-1@lehigh.edu
Subject: [98536] Re: new Kenwood radio?
Message-ID: <20010521122437.11473.qmail@web214.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Actually, the new Kenwood radio announced at Dayton was a three band HT (144/220/432Mhz).

73,
Barry N1EU

Do You Yahoo!?

Yahoo! Auctions - buy the things you want at great prices
<http://auctions.yahoo.com/>

Date: Mon, 21 May 2001 06:34:25 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: "Joel Kluender, NF9K" <nf9k@eudoramail.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [98537] Re: K2 Troubleshooting Help Please
Message-ID: <Pine.LNX.4.33.0105210617390.1277-100000@cannac.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have read this message and those that followed with interest. I am sorry that anyone would take Dave Fifield to task for his response which to me was to the point with explicit help on which components to check in the K2 radio. Joel brought this problem to QRP-L because he didn't get what he needed from the K2 list or the Help from K2.

There are some facts that need to be considered. The K2 radio is a collection of several hundred parts. You put it together, lets say perfect. Nothing is wrong. Every part is in place right. The radio doesn't work. Why? Consider that in having just one bad component in 100 is 99% correct. Thats pretty good and about what you might expect. Well this means that every K2 kit is going to have some hidden bad components, on the average. So the initial trouble shooting will find trouble.

Dave told Joel where to look. Another answer told Joel how to isolate which component is bad. I want to show that having a bad component is not a surprise to anyone. Thats expected.

On Sun, 20 May 2001, Joel Kluender, NF9K wrote:

> All,
>
> I've hesitated to post about a problem I'm having with my K2, thinking I could solve it on my own. Elecraft technical support has been very prompt and helpful in answering all my inquiries (Kudos!), but so far we have not found the problem, so I thought I'd ping the Elecraft & QRP-L lists for additional suggestions. Maybe someone else has had the same problem and has insight.
>
> K2 #1874 has been finished and alligned "by the book". It appears to be fully functional, having passed all tests, and a few QSO's have been made.
>
> However I am experiencing some very annoying noise on received signals.

Specifically, it sound like some sort of hash or "overload nose" superimposed on a received CW signal. It is "white" in nature and is heard mixed in with the received signal, not constant, but in sync with the CW. It is observed in all signals, but most clearly discernable on weaker to medium strength signals. Strong signals tend to drown out the noise in my ears. I think it's still there but I hear only the tone. In medium signals it is very annoying and clear. It is reminiscent of the noise I hear in my IC740 when the noise blanker is on and distorting some of the received signal (I have no NB in the K2 yet, FYI)

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Mon, 21 May 2001 08:40:48 -0400
From: "Lau, Zack, W1VT" <zlau@arrl.org>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [98538] Re: RTV + Solder = Trouble ?
Message-ID: <125490A005E3D3118C9C00805FC743CC016B9E6B@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

<<http://www.logwell.com/tech/servtips/RTV.html>>
He even recommends an affordable product to buy--Zack W1VT

Date: Mon, 21 May 2001 06:12:01 -0700
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [98539] RE: RTV + Solder = Trouble ?
Message-ID: <NBEDJCBBKGGMMPNBDCKOMEDHCFAA.rmccarty@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have not followed this thread so I will apologize if this information is a rehash.

Reading Zack's link pointer reminded me of incidents experienced while I was employed by a major consumer electronics manufacturer.

Apparently, this manufacturer (and others) would use an RTV based adhesive to secure components added to the copper side of the board, during manufacturing. We discovered an unusually high failure rate on these units, traced and directly related to the adhesive. The RTV would slowly dissolve any copper trace to which it had adhered. Failures consisted of complete open circuits, to increased resistance between two directly connected trace points.

FWIW

>-----Original Message-----

>From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
>Lau, Zack, W1VT

>Sent: Monday, May 21, 2001 5:41 AM

>To: Low Power Amateur Radio Discussion

>Subject: Re: RTV + Solder = Trouble ?

>

>

><<http://www.logwell.com/tech/servtips/RTV.html>>

>He even recommends an affordable product to buy--Zack W1VT

Date: Mon, 21 May 2001 06:39:37 -0700 (PDT)

From: Curt Milton <wb8yyy@yahoo.com>

To: nilsbull@juno.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [98540] Re: Six meter queskins

Message-ID: <20010521133937.99593.qmail@web9607.mail.yahoo.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Nils, well if you have a stack of QST's there the VHF column is a good source of propagation info - both technical explanation and real world experience. here is a primer:

the band is quiet, except for local beacons, most of the time.

sometimes you might get propagation enhancement due to the troposphere. if this happens, it tends to effect all VHF frequencies. one phenomena is known as ducting.

perhaps more common? on 6m is E-skip. its the same thing that livens up 10m in the spring. single hop

e-skip gives roughly 500-1500 mile QSO's, less happens but is rare, most often in a single particular direction. and it often moves! and a hint is when you hear strong and close-in e-skip on a band, go up to the next band because there might be e-skip up there. yes it does happen sometimes on 2m!

F-skip with our latitudes and geography is less common, but it happens sometimes. a minimum distance for this mode is probably on the order of 3000-4000 miles but i am no expert, but i have made 2 of these QSO's so far.

ok i left out some more exotic modes - aurora yes i have worked that and meteor scatter well i have not tried that as to me its liking watching grass grow unless you are doing it automated with a PC.

by the way, my station is a TT1208 (maybe 8 watts out) and a homebrew quad made from PVC and wire. it looks so poorly built i would not photograph it! my 10m quad was built next, its a little better

you can build a lot of good stuff while you are waiting for 6m to open, but i have some QSL's from folk who are gracious enough to spend 20 cents to celebrate QSO'ing with my modest station.

curt wb8yyy

--- nilsbull@juno.com wrote:

> Y'all,

>

> I've got a ARRL VHF handbook from around 1970. My

> most recent ARRL

> publication after that is last years ARRL handbook.

> My knowledge (and

> contingent technology) on VHF is pretty antique.

> Bleak. Thin. Wimpy.

>

> Anybody got a hint on what books or sources I might

> find to elucidate for

> me the vagaries of 6m propagation?

>

> Especially the cussin' part for buildin' antennas

> out of PVC pipe?

>

> 73

>
> Nils
> -----
> Nils R. Bull Young -- El Gringo Errante -- La
> Estancia de los Guajolotes
> Sonrientes
> <http://w8ijn.www6.50megs.com> -- W8IJN --
> <http://members.fortunecity.com/nilsbull>
> "In MY day we FIGHT to have earphones! Every DAY was
> STRUGGLE!"
>
> -- Comrade Nikolai
> Sergeievich McTovarishov, 19
> Oct 1917
>
>

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<http://auctions.yahoo.com/>

Date: Mon, 21 May 2001 09:57:17 -0400
From: "AI2Q Alex" <ai2q@adelphia.net>
To: <nilsbull@juno.com>, "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [98541] RE: This line bread, tomorrow line potato.
Message-ID: <000001c0e1fd\$f444d0e0\$df0cf618@alex>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Nils:

Not since the days of Hashafisti Scratchi in 1950s CQ mags have I read
anything so funny! Thanks for starting my e-mail day off with a smile.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
nilsbull@juno.com
Sent: Sunday, May 20, 2001 4:08 PM
To: Low Power Amateur Radio Discussion
Subject: This line bread, tomorrow line potato.

Yoldashlar!

Yahshimusizler! (Read with Boris Badinov voice) Once more I survive
Hamvention. Many line. Line for bus ticket. (Kaghazsiz sen bir axlat;
kagazbilan sen adam!) Line for bus. Line for line. Walk many time market
of fleas. Interrogate SGC peoples. Get many confession. Nobody denounce.
Next year more struggle!

I was doing my Comrade McTovarishov voice for the bus ticket line and
handed the guy two \$1 coins. He says "What's this?" I said (Boris voice)
"Is coin of realm. You want maybe ruble better?" He says "Ah! You're not
from around here!" I said (in hick-hayseed voice) "Nope. I'm from Medway,
'bout 20 miles over yonder." Then, back to Boris. Guy at the bus is
checking our tickets. I said (Boris voice) "Kaghazsiz sen bir axlat;
kagazbilan sen adam!" He smiles. I say "You know what means that?"
"Nope." "Is Kazakh. Means 'You have papers, you OK. You no have papers,
you piece of trash.'" He smiles. I get on the bus.

So I'm about one row & some inside the flea market and I see these guys
with a bunch of stuff sittin' there. One of the stuffs is a Yaesu FT690R.
Six meters. Multi mode. Is long time dream from old country. We talk, me
and the guy selling the radio. I go to bank machine. Get money. Buy
radio. Been at the Hamvention about 25 minutes total. About two hours
later, after twice being rained on & going inside to deposite my ticket
stub & see the QRP corner loonies, I go home. About fifteen minutes home
I turn on the slobberin' iron, find all my tiny part handlin' tools, take
medications. Modify radio.

Stupid radio had a positive shell power connector, same size as K2.
Everything else here is positive center, like K2. So I also hose the
radio up to my 14 V charger 'cause it's got NiCads innit & I go to
dinner. Come home. NiCads very warm. NiCads mushy. I throw away NiCads.

I call the Ramada Inn South -- which has two different listings in the
phone book, only one of which rings at the front desk (the other into
some void, I suspect) -- and ask when the QRP banquet is. "Is it
tonight?" "Yes." Ok. I sit around the house until about 8 pm & then get
in the car. I'm about 7 miles from home and figure "Nah. I'll go tomorrow
night when I don't have to wait for all the dinner stuff."

I find out the next day that the hotel phone answering person is just as

I would have expected . . . in Kazakhstan, not but Ameiriqadan tamam, ne? . . . that the banquet was Saturday & I should had otter have gone to the hotel on Friday night. So I plan to go to the post-banquet doin's later. Like around 10 p.m.

I got earlier the next day 10 more NiCads, a Ten Tec cheapo keyer, a Transel Tech 6m/2m mobile antoona, a ARRL repeater directoroid, and some other stuff what I've forgot what is was and lost already anyway. And the FOXX3 that I'd badgered the badgers about before and all that too.

I get home. Cindy & I & the young 'n go to the mall to get trousers for his school music thingie & to eat dinner. We get home. I go upstairs and modify the radio some more. (I stole the circuit for the battery charge line in the K2 so I wouldn't have to buy more batteries on Sunday.) Then, about 10:22, I finally calm down from all the modifications -- at one point I blew up a power supply and, being near the window, out it went, two stories into the lawn -- I realize that I ain't gonna get to the after-banquet thingie anyway.

So Sunday morning I get up, get about a mile from the house & realize that my ticket is still in my hunting license pocket on my jacket. I turn around, go back, get the jacket, fill up a water bottle, drive to the Salem Mall, stand in line for potato, get on bus, go Hamvention. Leave water bottle in car. Visit many peoples. Say good-bye, hosh, allahasamaladiq to the G-QRP crazies, and think about my experiences modifyin' the FT690R.

It comes to me while talking to -- and wouldn't you know I get confused about who was what . . . Gary I think I was talking to (at the K2 booth) -- that the FT690R is a CB radio that's been upsized or upfrequed to 6 meters. AM, FM, CW, SSB. And CW only works if you key the mic & then press the key.

You see other modification coming here? Steal idea from "Oner." Make key down radio go transmit. Also need wire key amplifier. Need amplifier. Need money. Denounce whole family for money . . .

Then I went home, around noon, and got home just in time to help my back-door neighbor who's losing his cognitive functions get my lawnmower started so he can mow his lawn. Sweet guy. Strong as an ox. Sat for eight hours one day trying to figure out how to put a garden hose together. Had two male ends on one hose & couldn't figure out why they didn't mate with the hose he had tied to the outside faucet. And he's becoming more aphasic every week to boot.

Then I went upstairs and had one of those "I'll crawl into the back of the cave & wait for the seizures & death to come take me" migraines. The inside of my head felt like it was on fire. Five hours pass. Cindy

finally came in & gave me some special migraine headache medicine she's found. Two hours later I got my lawnmower back and mowed the front lawn.

The mosquitos are out.

I survived another Hamvention. I will now modify the radio . . . again.

There's always next year . . . maybe.

73

Nils

. . . hatten lever s rooooooight . . .

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes
Sonrientes

<http://w8ijn.www6.50megs.com> -- W8IJN --

<http://members.fortunecity.com/nilsbull>

"In MY day we FIGHT to have earphones! Every DAY was STRUGGLE!"

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Oct 1917

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 21 May 2001 08:07:11 -0600

From: William R Colbert <w5xe@juno.com>

To: qrp-1@lehigh.edu

Subject: [98542] Re: Somebody feng-huo'ed my radio.com

Message-ID: <20010521.080712.-285789.0.w5xe@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

I found it interesting to look at the radios and the specs they had listed. Seems to indicate that they are still holding to the lower frequency/lower power rigs for the lower eschelon units while the higher power units with more frequencies are available to the regiment/division level users.

Now the question is, who in UN or other western countries are buying them and putting a non-political

company label on them?
Thanks Nils.

"The more I see of the representatives of the people,
the more I admire my dogs." letter from Count d'Orsay
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M NARTE-NCT2
FP# 111, SOC#78, QRP-ARCI 5784, El Paso,(FAR WEST)TEXAS

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 21 May 2001 09:59:35 -0400
From: "Lau, Zack, W1VT" <zlau@arrl.org>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [98543] Re: TenTec RF Connector Query
Message-ID: <125490A005E3D3118C9C00805FC743CC016B9E6E@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Ten Tec? I know they make the tooling for their own knobs and
front panels. Zack W1VT

Date: Mon, 21 May 2001 09:03:24 -0500
From: "James P. Osburn, P.E." <j.p.osburn@ieee.org>
To: "List; QRP, QRP Mailing List" <qrp-1@lehigh.edu>
Subject: [98544] Re: PSK with DSB?
Message-ID: <000501c0e1ff\$41fa32c0\$ace9a0ce@aaaacomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I like the question about using a DSB transceiver with PSK-31
because it gives me an excuse to daydream.

If you used PSK-31 with a DSB transmitter you would have two PSK-31
signals on either side of the local oscillator frequency.
You could work SSB stations on either of those frequencies.
If you were working an SSB station on one frequency and another SSB

station started using the other frequency you would have QRM.
I suppose you could start running DSB right away by simply misadjusting the LO in your Warbler to be in the middle of the passband.
All of this sounds like a disadvantage but I want to dream some more.

You've all read that J. P. Costas article from the 50's where he figures out that DSB works better if everybody uses it instead of SSB. I think it's call "Shannon and The Radio Amateur". I'm going to have to go home and reread it. Anyway, if everybody runs DSB instead of SSB you can cram more stations into a band. It's because the other side band helps you fight QRM. But you have to lock the LO's of stations in a QSO together.

There's an extension to a PLL called a Costas loop that does that. At first glance the Costas loop looks like magic because it's locking to a carrier that's not there. But it needs both side bands to do the lock. I once built a Costas loop at audio frequencies and it worked. I just stood in front of the bench watching it work and was amazed. If you start analyzing the thing you can eventually figure how it works though. Multiply the two sidebands together and you get a carrier at twice the frequency that you can lock to.

I don't know what use this is. I'm not ready to suggest that people run out and build DSB rigs. Maybe some people already have. But I have enjoyed daydreaming about it.

Thanks,

Jim, WD9EYB

Date: Mon, 21 May 2001 08:10:17 -0600
From: "N0RC, Rod Cerkoney" <n0rc@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [98545] FMV of HW-8, buying advice.
Message-ID: <0E55jpWkfb81IfpT8vW000053bb@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

A local ham is looking for a nice HW-8. I've offered to help my friend, a very nice retired gentleman. The first most importation

question: What is a fair price to pay for an HW-8? What things should I look for to judge the quality of any HW-8 I may find? Any quirks, or special parts that should be checked out before plunking down the money?

73, Rod NØRC
Ft Collins, CO

SuperFest 2001 14-Jul-2001
<http://www.qsl.net/n0rc/hamfest/hamfest.html>
BE THERE!

Date: Mon, 21 May 2001 08:16:48 -0600
From: William R Colbert <w5xe@juno.com>
To: qrp-l@lehigh.edu
Subject: [98546] RE: This line bread, tomorrow line potato.
Message-ID: <20010521.081649.-285789.1.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Thanks for the humor Nils. I agree with Alex that it is very reminiscent of Scratchi and really a keeper. I saved that (hope you don't mind) and titled it "Nils Goes to Dayton" in the vein of Mr. Hobbs Goes to Washington". That way, I can always look at it for a chuckle.

"The more I see of the representatives of the people, the more I admire my dogs." letter from Count d'Orsay
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M NARTE-NCT2
FP# 111, SOC#78, QRP-ARCI 5784, El Paso, (FAR WEST) TEXAS

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 21 May 2001 10:12:58 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Cc: "Phillips, John K2QAI" <k2qai@arrl.org>, "Bodson, Dennis (Dir, Roanoke)" <dbodson@arrl.org>
Subject: [98547] RE: Halogen Light Noise
Message-ID: <125490A005E3D3118C9C00805FC743CC023B2DD2@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

If any of you QRP-Lers have one of the noisy Halogen-light power supplies, I want to lay hands on one (preferably one that is being sold right now). If you replaced it with an analog supply, you can either send me the noisy unit, or if you still have it, let me know the exact model number and source.

Part 15 rules require:

15.13 -- Manufacturers of these devices shall employ good engineering practices to minimize the risk of harmful interference."

If they don't have any filtering at all, and I expect they won't, I can't see how they meet the requirements of this rule.

Once I get one of these, I will turn this over to ARRL's new RFI Guru, John Phillips, K2QAI. Maybe we can get the FCC to write a letter or two advising manufacturers that they need to do *some* degree of filtering.

73,
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-673-7869
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----
> From: Curt Milton [mailto:wb8yyy@yahoo.com]
> Sent: Friday, May 18, 2001 1:15 PM
> To: Low Power Amateur Radio Discussion
> Subject: RE: Halogen Light Noise
>
>

> Yes these low voltage halogens are "great"
> transmitters!
>
> A few years ago we moved into a quiet, rural suburban
> area. I was amazed when I put up the antennas that my
> s-meter did not move with no signals present. Not too
> many days latter my s-meter was at S6 on 20m! Yes it
> was the kitchen lites! And the track is sized to be a
> 20m dipole with 8 broadband noise sources feeding it
> since each low voltage halogen has its own DC/DC. I
> admit to missing the warm color of these lamps - but
> sometimes kitchen work needs to be done with someone
> using the radio.
>
> I would hope that 120 volt halogens, if there is a
> such thing, would have no power conditioning. But
> make sure indeed its not a misnomer for halogen
> fixtures that run off a 120 volt supply!
>
> In my case I bought "cheap" 120 volt normal light
> fixtures to replace the "nicer" halogens. But your
> neighbor may have different priorities! It might work
> to treat the track wires somehow with ferrites, etc.
> to break up the HF sized antenna it makes, but i doubt
> if this is easy! Unless this is a huge bath, i
> suspect the track is undersized as not very efficient
> at lower HF frequencies so your problem is not as bad
> as mine was, i hope.
>
> curt wb8yyy
>
> --- "Kevin Muenzler, WB5RUE" <wb5rue@arrl.net> wrote:
> > Yes you are correct, these new low-voltage halogen
> > lamps are a real
> > problems. They do use a small switching supply.
> > The 120v models aren't too
> > much better if they have a dimmer built-in. They
> > use the standard method of
> > dimming by reducing the duty cycle of the AC by
> > squaring off the wave form.
> > They can cause noise too but not to the extent of
> > the low-voltage models.
> > If your neighbor doesn't need a dimmer the 120v
> > lamps would cause no more
> > noise than a standard light bulb. Problem is that
> > most tracks aren't rated
> > for 120v operation.
> >

> > 72/73
> > Kevin, WB5RUE
> >
> > -----Original Message-----
> > From: owner-qrp-l@Lehigh.EDU
> > [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> > Steve McDonald
> > Sent: Thursday, May 17, 2001 9:57 PM
> > To: Low Power Amateur Radio Discussion
> > Subject: Halogen Light Noise
> >
> >
> >
> > Has anyone experienced these monsters? My good
> > neighbour has just put three
> > of these miniature tracklights in his bathroom. It
> > looks like they use a
> > switching supply to develop 12 V as each light has
> > its own 'module'. They
> > are very noisy and generate all sorts of buzz and
> > spurious signals
> > especially in the LF band below 500 KHz. My question
> > is...does anyone know
> > if the 120 volt halogens (no power modules needed)
> > are electrically silent
> > (like a regular bulb). If that is the case I could
> > replace the track for him
> > and put in the quiet ones.
> >
> > Steve / VE7SL
> >
> >
> >
> >
> >
> -----
> Do You Yahoo!?
> Yahoo! Auctions - buy the things you want at great prices
> <http://auctions.yahoo.com/>
>

Date: Mon, 21 May 2001 09:42:13 -0400
From: "Ken Kirkley" <ogbc@mindspring.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [98548] TICK & SW40+
Message-ID: <000201c0e1fc\$2ab83f60\$d9bef7a5@default>

Have my TICK 4 kit built and ready to add to my SW40+. Would like a detailed account of the best way/place to connect the wires. Don't plan on using a speaker...plan to feed the audio into the radio.

I don't have much time to experiment due to leaving on vacation on Friday. Want to be able to take the SW40+ with me.

Tnx,
Ken/N04D

Date: Mon, 21 May 2001 15:01:48 -0000
From: "Tom Dufresne" <tdufres@hotmail.com>
To: n0rc@hotmail.com, qrp-1@Lehigh.EDU
Subject: [98549] Re: FMV of HW-8, buying advice.
Message-ID: <F4151xltxiXnI2Ppt8M000003631@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Having done exactly that about a year ago, here are my suggestions:

- 1) Expect to pay about 80-100 dollars. A bit more if power supply is included. I like the original Heathkit power supply that was featured with the unit, but that's just me
- 2) Watch out for wacky add-ons. Mine has a neat KC1 keyer and it came with all the documentation and even a documentary on how the owner modified and installed it. Pretty anal-retentive on the owners part, but it was a good thing. Besides aren't we all a bit AR?..There are several documented "modifications" with this rig. Mine came with a list of all the mods and the ones that were added to my rig. (I told you this guy was fastidious!)
- 3) The biggest PIA (pain in the *ss) with this unit is the propensity to "strip" the rotor of the tuner cap off the stator. It usually happens when a HW-8 "newbie" tries to "adjust" or "calibrate" the tuning dial by turning the cap all the way over CW or CCW. Been there, done that, effected the fix. You hear a slight "tinkle" as the rotor falls to the bottom of the rig. It is not a pleasant sound. It is very easy to do, as the rotor is press fitted on.... THIS IS NOT A FATAL FLAW, even though to the "uninitiated" HW-8 user, it may seem like one. It takes a little doing to get the bugger back in place correctly, really, it just press fits back on. The user/builder manual helps to give you a visual as to how it goes on. About a "4" in a scale of 0-10 on the "How do you do THAT" question. BTW, make SURE said manual is included :)
- 4) You will get lots of "smiles per watt" with this rig..(Hey, I just made that up... I think I will use that in my future musings... you saw it first here...) Expect about 1.5-2.5 watts output, and loads of fun. People develop certain feelings about certain rigs, and there is no shortage of feelings

for owners of this one. I wish I had a quarter for every ham, that told me "USED TO HVE A HW-8" or "THAT WAS MY FIRST QRP RIG", or "WISHED I STILL HAD IT LOVED THAT RIG"

Did I miss anything Pickett :)?

Tom

KC0GXX

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Mon, 21 May 2001 10:05:16 -0500
From: "Mike Malone" <mmalone@worldlogon.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [98550] Fishing pole vertical questions
Message-ID: <000b01c0e207\$72a10ea0\$4800000a@nationwiswqrjt>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a 13 foot telescoping, fiberglass fishing pole that I want to use as a dedicated 20 meter portable field antenna. I am planning on feeding it with balanced line. I can raise it another 3 foot on the dowl rod that I will use as my "mount" to make it 16 foot tall overall, should I make the radiator 1/2 wave electrically by shorting two sides of zip wire together at top and feed 1 side at the bottom? Also, how long should I make my radials in terms of wave length? Thank You. I would appreciate any and all feedback on your experiences with this style antenna.
KD5KXF- Mike Malone - Balch Springs, TX

Date: Mon, 21 May 2001 11:25:25 EDT
From: ARDUJENSKI@aol.com
To: mmalone@worldlogon.com, qrp-1@lehigh.edu
Subject: [98551] Re: Fishing pole vertical questions
Message-ID: <cf.6c9e095.283a8d65@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Mike

You may want to ask the group about the St. Louis Quicky by Dave NF0R which uses only 8ft radials. Note on the ground resonance is not an issue since the ground detunes them. Daves"s work in short verticals is legendary--Alan KB7MBI

Date: Mon, 21 May 2001 11:31:29 -0400 (EDT)
From: Bob Kerby <w4bld@juno.com>
To: qrp-1@lehigh.edu
Subject: [98552] K1 WANTED
Message-ID: <384473138.990459089517.JavaMail.root@web641-wra.mail.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello - If anyone has a K1 to sell, please let me know. Many Thanks, Bob

Date: Mon, 21 May 2001 12:15:33 -0400
From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [98553] Toroid post
Message-ID: <E1F0152638DBD311AEF700D0B74455E21E36F8@EXCHANGE_NH>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I tried to search through the archive for 2001 and find the recent post by
??? (Chuck Adams?) about the recent toroid kit, how to proper use the
toroids and all, but I could not find it. How do I go about retrieving this
post? Thanks.

Shawn Upton, KB1CKT
Product Development Engineer - Sensors
Allegro MicroSystems, Inc
Concord, NH
603.228.5533 ext. 429

Date: Mon, 21 May 2001 09:39:15 -0700
From: Jeff Stai WK6I <jstai@home.com>
To: nilsbull@juno.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [98554] Re: Six meter queskins
Message-ID: <5.1.0.14.2.20010521085213.04c82ce0@mail>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

At 11:33 PM 5/20/01, nilsbull@juno.com wrote:

>Y'all,

>

>I've got a ARRL VHF handbook from around 1970. My most recent ARRL
>publication after that is last years ARRL handbook. My knowledge (and
>contingent technology) on VHF is pretty antique. Bleak. Thin. Wimpy.

>

>Anybody got a hint on what books or sources I might find to elucidate for
>me the vagaries of 6m propagation?

hi Nils - The best book I have found on VHF topics in general is:

The VHF/UHF DX Book by RSGB

Another excellent resource is <http://www.uksmg.org/>

Curt gave you an excellent overview of propagation on 6m. I'm just going
to add some things:

- Sporadic E (Es) is just that - sporadic: she's like a beautiful woman who never
has
time to go out with you, and then out of the blue invites you to fly to Rio with
her.

You never know when it's going to hit you. But Es is much more likely near the
Solstices

for some reason - starting now thru July or so, and December thru January.

- You can do amazing things with 10 watts into a 3-element yagi 7 meters up,
when the band is fully open - however, QRO and more aluminum/ium will extend
(or even enable) a marginal opening.

- F-layer seems to be a peak of the sunspot cycle thing. Look for it when the SFI
nears or passes 200. Call in sick or you will wait another 11 years!

- Curt did not mention Transequatorial (TE) propagation - I gather this is a
weaker
form of F-layer prop. This seems to happen more around the Equinoces. I've worked
a
lot of South America and the South Pacific this way. I understand that TE is less
common for more northern locations, however.

- A northern location is better for Auroral (Au) prop. From OH you might work
someone
in WA, but you are pointing north to do so. Gets really war-bull-lee too.

- Excluding local FM contacts, 90% of all contacts on 6m will be USB. Listen on

50.125 or
50.110 as much as you can stand to. Watch DX Summit for signs of activity in other areas as a hint that your area may light up too. Tune around a little just for fun. Make a couple calls just in case no one has figured out that the band is open! Listen on 28.885, which is a popular place folks use to schedule contacts. Check for beacons and other Harbingers of Propagation.

- Interesting 6m frequencies:

- * 50.000 to 50.080 = The Beacon Band (don't call here!)
- * 50.080 to 50.100 = CW only
- * 50.100 to 50.125 = DX lives here
- * 50.110 = DX calling frequency
- * 50.125 = domestic calling frequency
- * 50.125 to 50.300 = where everyone spreads out to when the band opens (or they should anyway!)
- * 50.270 = PSK31 (but I haven't heard any yet)

- I should explain calling frequencies. 50.125 is by convention the domestic calling freq.

You are supposed to call there, make contact, and move off. What usually happens in marginal or shifting conditions is that a station will park there and work many stations. This is your cue to start tuning and maybe even call on some other freq. I moved to 50.135 the other night and became the center of a pileup into the northwest for most of an hour...

- Yes, CW does happen on 6m. When conditions get marginal, try CW on or near a calling freq., or around 50.099. Since distant DX contacts (like ZL, LU, or G) are always marginal, CW is your friend here. Just don't expect to have a casual 'chew on CW - chances are you will be hard pressed to exchange RST and grid squares. And if conditions are good enough to support a longer CW QSO, everyone will be on USB.

>Especially the cussin' part for buildin' antennas out of PVC pipe?

PVC antennas are the least of your worries. You will find all sorta new reasons to cuss if you get into 6m...;-)

73 es gud dx es gud Es - jeff wk6i

jeff stai
radio stuff: WK6I in DM13
rocket stuff: NAR #21059 TRA #3356 Level 2 Cert.
email: jstai@home.com or wk6i@arrl.net
ROC web page: <http://www.rocstock.org/>
LDRS web page: <http://www.ldr20.org/>

Date: Mon, 21 May 2001 09:44:52 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: SUpton@ALLEGROMICRO.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [98555] Re: Toroid post
Message-ID: <3B094604.71B0E0A@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"Upton, Shawn" wrote:

>
> I tried to search through the archive for 2001 and find the recent post by
> ??? (Chuck Adams?) about the recent toroid kit, how to proper use the
> toroids and all, but I could not find it.

Shawn,

I recall no such post .. only messages re "have they arrived in Kansas"
and such. Chuck Adams may have done something on the subject. His
website is:

<http://www.qsl.net/k7qo/>

There is a general article on winding toroids here:

<http://ww2.netnitco.net/users/wt9w/Toroids.html>

73, Phil W7OX

Date: Mon, 21 May 2001 12:47:53 -0400

From: David Beach <dbeach@blvl.igs.net>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [98556] OT: Heath IM-28 VTVM Help Needed
Message-ID: <B72EBEF5.1793%dbeach@blvl.igs.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

I just bought (\$5!) an old Heath IM-28 VTVM at a school 'yard sale'.
Couldn't resist - the money was for a good cause! Besides, I loved that big
analogue meter. It will never be as accurate as my Fluke 8840 bench DVM but
sometimes a meter is hard to beat.

Anyway, it appears to have suffered more neglect than abuse and looks not
too bad cosmetically (both inside and out) when I cleaned it off. Of course,
I have no manual or probes, just the VTVM. When I turned it on, the tubes
glowed but the meter needle wobbled around rather deliriously. Hmm. I turned
it off again! Is this normal 'warming up' behaviour?

Is there a list or website of Heath collectors where I might get technical
assistance, a copy of the manual, etc.? Anybody had any experience with one
of these old Heath VTVMs? Is it worth fixing up?

--

David Beach
VE3STI

Date: Mon, 21 May 2001 12:48:20 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [98557] RE: Six meter queskins
Message-ID: <125490A005E3D3118C9C00805FC743CC023B2DE5@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

There is some info on VHF and HF propagation at:

<http://www.arrl.org/tis/info/propagation.html>

73,
Ed Hare, W1RFI

> -----Original Message-----
> From: Jeff Stai WK6I [mailto:jstai@home.com]
> Sent: Monday, May 21, 2001 12:39 PM

> To: Low Power Amateur Radio Discussion
> Subject: Re: Six meter queskins
>
>
> At 11:33 PM 5/20/01, nilsbull@juno.com wrote:
> >Y'all,
> >
> >I've got a ARRL VHF handbook from around 1970. My most recent ARRL
> >publication after that is last years ARRL handbook. My knowledge (and
> >contingent technology) on VHF is pretty antique. Bleak. Thin. Wimpy.
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> >Anybody got a hint on what books or sources I might find to
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> beautiful woman who never has
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> to fly to Rio with her.
> You never know when it's going to hit you. But Es is much
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> for some reason - starting now thru July or so, and December
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>
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> * 50.125 to 50.300 = where everyone spreads out to when the
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>
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>
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> >Especially the cussin' part for buildin' antennas out of PVC pipe?
>
> PVC antennas are the least of your worries. You will find all
> sorta new reasons to cuss if
> you get into 6m...;-)
>
> 73 es gud dx es gud Es - jeff wk6i
>
>
> jeff stai
> radio stuff: WK6I in DM13
> rocket stuff: NAR #21059 TRA #3356 Level 2 Cert.
> email: jstai@home.com or wk6i@arrl.net
> ROC web page: <http://www.rocstock.org/>
> LDRS web page: <http://www.ldr20.org/>
>

Date: Mon, 21 May 2001 12:55:22 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [98558] RE: W8PIG on the air again with the TT2: 19May01 2000z
Message-ID: <125490A005E3D3118C9C00805FC743CC023B2DE6@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I gotta' say this -- those who haven't met the members of the Flying Pig QRP Club are missing a real treat! The unbridled and unabashed enthusiasm of these guys is admirable! For the rest of my life, whenever I think of enthusiasm for ham radio, I will think of these rather outspoken fellows! Thanks, Flying Pigs, for adding a lot to a memorable FDIM experience for me. I think the Tuna Tin 2 was in the best hands for the night of FDIM fun it and you guys had. You're the greatest!

73,
Ed Hare, W1RFI

> -----Original Message-----
> From: pwomble1@tampabay.rr.com [mailto:pwomble1@tampabay.rr.com]
> Sent: Saturday, May 19, 2001 11:52 AM
> To: Low Power Amateur Radio Discussion

> Subject: W8PIG on the air again with the TT2: 19May01 2000z
>
>
> W8PIG will be QRV again with the TT2 at 2000z. We'll be on 7041.8.
>
> We will be on for a couple of hours before the FDIM Banquet.
>
> Hope to see you in the log!
>
> 73
> Paul
> K4FB/8
>
>
>

Date: Mon, 21 May 2001 09:20:34 -0800
From: Anthony Felino <anthony@pacinfosb.com>
To: nf9k@eudoramail.com, qrp-1@lehigh.edu
Subject: [98559] noise on K2
Message-ID: <Chameleon.990464629.Anthony@pid023>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; CHARSET=ISO-8859-1

Joel,

You wrote: "I've hesitated to post about a problem I'm having with my K2, thinking I could solve it on my own. Elecraft technical support has been very prompt and helpful in answering all my inquiries (Kudos!), but so far we have not found the problem, Joel,"

I noticed the replies on the list were all pointing at LO noise or filter problems, but what you are describing sounds like AGC distortion to me. Try turning AGC off and/or turning the RF gain down. If signals still sound bad, then ignore the rest of this.

If turning the RF gain down fixes it, it is probably distortion caused by background noise making the AGC "pop" on each noise pulse. The noise appears on some signals and not others, or seems to be dependent on signal levels or background noise levels. My Alinco DX-77T does this. My Drake R4-C did it on Fast AGC a little also. It is fixed or mitigated by slowing down the AGC response. It is possible that you left out a capacitor or something in the AGC circuit where it shapes the response times.

The DX-77T gets good reviews for its receiver, and the folks at Alinco don't seem to hear the problem, yet there is at least one published mod to fix it. So I'm wondering if maybe some people think this is normal for a radio with fast AGC. The Alinco doesn't have an RF gain control, but I lashed one up and that completely fixed it. (I love this little rig, by the way - cheap cheap cheap with general coverage RX and TX makes it a great piece of test equipment)

I generally leave AGC out of receivers that I make. It just brings up the noise level and makes operation more fatiguing. A simple limiter at the audio output performs the ear-saving function.

...just speculating.

73, WN6Q

Anthony Felino, Pacific Information Design
email: anthony@pacinfosb.com
telephone: (805) 730 1565, x25

Date: Mon, 21 May 2001 17:14:56 +0000
From: Garie Halstead <k8kfj@ntelos.net>
To: Jeff Stai WK6I <jstai@home.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [98560] Re: Six meter queskins
Message-ID: <3B0906C0.1CB15FB6@ntelos.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

On Monday, 21 May 2001, Jeff Stai wrote:

> - Curt did not mention Transequatorial (TE) propagation - I gather this is
> a weaker
> form of F-layer prop. This seems to happen more around the Equinoces. I've
> worked a
> lot of South America and the South Pacific this way.

Hi Jeff. I'm always amazed at seasoned 6m operators being able to tell what type of propagation came into play with various contacts. Let me give you an example. I worked Brazil, Argentina and Chile in South America but don't have a clue as to whether it was F2 or TE. I guessed TE would be very unlikely due to the fact that I'm at 38 degrees north.

However, I'm told that I could have tied into TE via an "E" cloud between me and the southern latitudes where the TE was occurring. Or, it may have been via true F2 propagation.

Was there any way I could have determined which? Just curious.

72 //Gary *K8KFJ*
West Virginia

Date: Mon, 21 May 2001 12:30:39 -0500
From: "George, W5YR" <w5yr@att.net>
To: ai2q@adelphia.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [98561] Re: This line bread, tomorrow line potato.
Message-ID: <3B0950BF.ECC2CA84@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Alex, Scratchi was breaking folks up long before CQ in the 50's! His column was a regular in the mid-30's "Radio" magazine which was the pre-WW2 version of CQ magazine.

It is remarkable that the postwar author was able to capture so much of the original "flair" of the original Scratchi.

The old Radio used to carry fairly lengthy serial tales of radio-related adventures and characters, usually humorous but full feature-article length. Apart from being a worthy technical competitor to QST in those days, Radio had a certain spirit that made it very popular, especially on the West Coast.

In those days most hams I knew always subscribed to both magazines, just like they did to QST, CQ and Ham Radio later on. I won't mention 73 magazine . . .

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

AI2Q Alex wrote:

>

> Nils:

>

> Not since the days of Hashafisti Scratchi in 1950s CQ mags have I read
> anything so funny! Thanks for starting my e-mail day off with a smile.

Date: Mon, 21 May 2001 12:32:54 -0500
From: "James Parsons" <res075cz@gte.net>
To: <w5yr@att.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [98562] Re: This line bread, tomorrow line potato.
Message-ID: <009c01c0e21c\$123e2c40\$7c640304@vz.dsl.genuity.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Does anyone remember when Scratchi decided to teach himself the code? He
bought code tapes and worked very hard to get all the way to a perfect 20
WPM. The only trouble was he put the tapes in backwards.

73 de Jim, K5ROV...

----- Original Message -----

From: "George, W5YR" <w5yr@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, May 21, 2001 12:30 PM
Subject: Re: This line bread, tomorrow line potato.

> Alex, Scratchi was breaking folks up long before CQ in the 50's! His
column
> was a regular in the mid-30's "Radio" magazine which was the pre-WW2
> version of CQ magazine.
>
> It is remarkable that the postwar author was able to capture so much of
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> original "flair" of the original Scratchi.
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> adventures and characters, usually humorous but full feature-article
> length. Apart from being a worthy technical competitor to QST in those
> days, Radio had a certain spirit that made it very popular, especially on
> the West Coast.
>
> In those days most hams I knew always subscribed to both magazines, just
> like they did to QST, CQ and Ham Radio later on. I won't mention 73
> magazine . . .

>
> 72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
> Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
> Amateur Radio W5YR, in the 55th year and it just keeps getting better!
> Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437
>
>
> AI2Q Alex wrote:
> >
> > Nils:
> >
> > Not since the days of Hashafisti Scratchi in 1950s CQ mags have I read
> > anything so funny! Thanks for starting my e-mail day off with a smile.

Date: Mon, 21 May 2001 13:37:42 -0400
From: "Ed Tanton" <n4xy@att.net>
To: "QRP-L Reflector" <qrp-l@Lehigh.EDU>
Subject: [98563] RE: THE toroid post of Chuck Adams
Message-ID: <CKEGICNFDIMCEKEDCEHFEEPAHCAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I missed it at the time myself... but thanks to Sam Billingsley, AE4GX, I got it later. Perhaps it would be a good thing to re-publish it, but it's LONG. Anyone needing it can send me an email, and I'll be happy to forward a copy to you.

73 Ed Tanton N4XY <n4xy@arrl.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

R-390: Motorola SN: 374;
R-390-A: Capehart SN: 2241
51S-1 WE SN: 4389
HRO-50; HRO-60; & HRO-500

SP600-VLF SP600-JX-17 SP-600-JX-21

Date: Mon, 21 May 2001 13:52:07 -0400
From: "L. Mark Pilant" <n1vqw@arrl.net>
To: qrp-1@Lehigh.EDU
Subject: [98564] Re: Toroid post
Message-ID: <3B0955C7.20EDF946@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Chucks post was posted late in the evening May 13th. (I stashed a copy :-)
The subject was:

"[MH101] Toroids and some mathematics [long]"

73

- Mark N1VQW

Date: Sun, 20 May 2001 22:01:43 -0400
From: Walter D Amos <walt_amos@juno.com>
To: markem@cervnet.com
Cc: qrp-1@lehigh.edu
Subject: [98565] Re: Source for Ni-Cads?
Message-ID: <20010521.140254.-254541.1.walt_amos@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I just got 1300 ma nimh AA at Dayton for a \$1 each from Batteries America
(Mr. Nicd's)

<http://www.batteriesameriac.com>

Walt Amos K8CV Royal Oak, MI.

GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Mon, 21 May 2001 14:07:05 -0400
From: John Wagner <john@neknetwork.com>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [98566] Re: Toroid post
Message-ID: <3B095948.418CD5F6@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just FYI; I usually take posts that I think will be useful in the future and immortalize them on the QRP-L web site. The post on Toroids from Chuck, K7QO is at:

http://qrp.lehigh.edu/lists/qrp-l/article/k7qo_toroid.html

Before the question gets asked: which posts end up there is subjective, I use my best judgment. If you know of one that you find informative, let me know and I'll try to add it. I'm not trying to "fill the site up", rather I want to keep it from becoming so full that it's bloated and useless. The QRP-L ftp site has all of the posts archived, it is at: <ftp://qrp.lehigh.edu/pub/listserv/qrp-l/>

The main starting point of the QRP-L web site is at: <http://qrp.lehigh.edu/lists/qrp-l/> and includes information on subscribing, unsubscribing and various other topics.

FWIW: I'm not involved in running the QRP-L except for maintaining the web site. Please direct questions about the list to: manager@qrp.lehigh.edu

73,

John, KB1ENS
QRP-L Webmaster

"L. Mark Pilant" wrote:

>
> Chucks post was posted late in the evening May 13th. (I stashed a copy :-)
> The subject was:
>
> "[MH101] Toroids and some mathematics [long]"
>
> 73
>

> - Mark N1VQW

--

John Wagner - john@neknetwork.com
Web page: <http://www.neknetwork.com>

Date: Mon, 21 May 2001 14:10:05 -0400
From: "Brian" <bmurrey@amexol.net>
To: <n4xy@att.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [98567] Re: THE toroid post of Chuck Adams
Message-ID: <000901c0e221\$43ece290\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Paul Harden's data book has excellent info about toroids and all kinds of cool QRP parts. I got mine at FDI from Rev. George Dobbs, what an interesting guy.

----- Original Message -----

From: "Ed Tanton" <n4xy@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, May 21, 2001 1:37 PM
Subject: RE: THE toroid post of Chuck Adams

> I missed it at the time myself... but thanks to Sam Billingsley, AE4GX, I
> got it later. Perhaps it would be a good thing to re-publish it, but it's
> LONG. Anyone needing it can send me an email, and I'll be happy to forward
a

> copy to you.

>

> 73 Ed Tanton N4XY <n4xy@arrl.net>

>

> Ed Tanton N4XY

> 189 Pioneer Trail

> Marietta, GA 30068-3466

>

> website: <http://www.n4xy.com>

>

> LM: ARRL QCWA AMSAT & INDEXA;

> SEDXC NCDXA GACW QRP-ARCI

> OK-QRP QRP-L #758 K2 (FT) #00057

>

> R-390: Motorola SN: 374;
> R-390-A: Capehart SN: 2241
> 51S-1 WE SN: 4389
> HRO-50; HRO-60; & HRO-500
> SP600-VLF SP600-JX-17 SP-600-JX-21
>
>
>

Date: Mon, 21 May 2001 22:37:56 +0400
From: "Oleg Borodin" <master72@lipetsk.ru>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [98568] Re: PSK with DSB?
Message-ID: <20010521184236Z10734-55468+858@relay.lipetsk.ru>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

Hello ALL and thanks for answers!

Yes, I'm understand about negative way of PSK31 with DSB mode. Before I never operate by PSK31 and have a little knowledge about this mode, always CW!

Is it right that only SSB-tcvr need to PSK operate? DC CW also impossible, I think, because there is also two side freq's up/dwn of carrier?

Thanx again and good QRPing!

72 & 73! de RV3GM/QRP Lipetsk, Russia

G-QRP#4690 QRP-ARCI#10742 QRP-MASTER#50

eng. Oleg V. Borodin E-Mail: master72@lipetsk.ru

> : ak0b <ak0b@swbell.net>
> : master72@lipetsk.ru
> : Re: PSK with DSB?
> : 21 2001 . 17:19
>
> Bad idea. You would be transmitting on two different frequencies at the
> same time. Not legal in the USA.
>
> Stan
>

Date: Mon, 21 May 2001 22:58:33 +0400
From: "Oleg Borodin" <master72@lipetsk.ru>
To: "qrp-l" <qrp-l@lehigh.edu>, "G-QRP" <gqrp@yahoogroups.com>
Subject: [98569] Toroids to xtals
Message-ID: <20010521190409Z10777-55471+828@relay.lipetsk.ru>
MIME-Version: 1.0
Content-Type: text/plain; charset=Windows-1251
Content-Transfer-Encoding: 7bit

Dear QRPers!

I have a ferrite toroids size 14x7x5mm with $\mu=30$ (magnetic penetrate coefficient - maybe I mistake with English termins?) Does anybody need it? I would like to exchange the toroids for xtals 14060 and 3560 kHz QRP freq's. Looking also for other variants to exchange any devices you need for xtals.

TNX for attention!

72 & 73! de RV3GM/QRP Lipetsk, Russia
G-QRP#4690 QRP-ARCI#10742 QRP-MASTER#50
eng. Oleg V. Borodin E-Mail: master72@lipetsk.ru

Date: Mon, 21 May 2001 15:16:47 -0400
From: "Ed Tanton" <n4xy@att.net>
To: "QRP-L Reflector" <qrp-l@Lehigh.EDU>
Subject: [98570] Got my KD1JV wattmeter kit today!!
Message-ID: <CKEGICNFDIMCEKEDCEHFCEPIHCAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The title says it all. Am going to "fast-track" it to the top of my long list of projects 'cuz so many of 'em need to USE a good QRP wattmeter.

73 Ed Tanton N4XY <n4xy@arrl.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

R-390: Motorola SN: 374;
R-390-A: Capehart SN: 2241
51S-1 WE SN: 4389
HRO-50; HRO-60; & HRO-500
SP600-VLF SP600-JX-17 SP-600-JX-21

Date: Mon, 21 May 2001 21:14:36 +0200
From: "Stephane Collas" <Stephane.Collas@wanadoo.fr>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [98571] CW & QRP Stuff...
Message-ID: <007201c0e22a\$4855a4d0\$8dc8fcc1@LTP011520>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1251"
Content-Transfer-Encoding: 7bit

Hi Gang,

You can find informations about CW & QRP, on my home page :

<http://www.qsl.net/f5nzy>

73's de Steph, F5NZY

Date: Mon, 21 May 2001 12:27:50 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: n4xy@att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [98572] Re: Got my KD1JV wattmeter kit today!!
Message-ID: <3B096C36.15478DC9@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ed Tanton wrote:

>

> The title says it all.

Not really, Ed. Where can I find out about it? It is not one I've

heard of.

73 es TIA, Phil W7OX

Date: Mon, 21 May 2001 15:31:28 -0400
From: "Richard Clemens" <clemens@wvwc.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [98573] PSK with Solaris
Message-ID: <004c01c0e22c\$a22efa40\$dd68010a@wvwc.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Any recommendations for PSK31 on a Sun with Solaris 8?

--
Richard Clemens
clemens@wvwc.edu

Date: Mon, 21 May 2001 12:36:22 -0700
From: Jeff Stai WK6I <jstai@home.com>
To: qrp-1@Lehigh.EDU
Subject: [98574] Fwd: Re: Six meter queskins
Message-ID: <5.1.0.14.2.20010521123558.04ca26c0@mail>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Date: Mon, 21 May 2001 12:13:07 -0700
>To: Garie Halstead <k8kfj@ntelos.net>
>From: Jeff Stai WK6I <jstai@home.com>
>Subject: Re: Six meter queskins
>
>At 10:14 AM 5/21/01, you wrote:
>>On Monday, 21 May 2001, Jeff Stai wrote:
>>
>>> - Curt did not mention Transequatorial (TE) propagation - I gather this is
>>> a weaker
>>> form of F-layer prop. This seems to happen more around the Equinoces. I've
>>> worked a
>>> lot of South America and the South Pacific this way.

>>
>>Hi Jeff. I'm always amazed at seasoned 6m operators being able to tell
>>what type of propagation came into play with various contacts. Let me
>>give you an example. I worked Brazil, Argentina and Chile in South
>>America but don't have a clue as to whether it was F2 or TE. I guessed
>>TE would be very unlikely due to the fact that I'm at 38 degrees north.
>>However, I'm told that I could have tied into TE via an "E" cloud
>>between me and the southern latitudes where the TE was occurring. Or,
>>it may have been via true F2 propagation.
>>
>>Was there any way I could have determined which? Just curious.
>
>Well..... it is pretty much based on likelihood and educated guessing. The
>logic might go like this:
>
>- If the sunspot count or MUF is low, then it is likely not F2.
>
>- You are north of where TE supposedly happens, so you must have had something
>else "helping" you.
>
>- Es skip is shorter than F2 because the E layer is lower - and both have
>a certain distance range because of the geometry.
>
>- With TE, the Equator is centered between the endpoints, more or less.
>
>- Stations to the south of you at the same time may have been working TE.
>
>There are programs out there I have heard of that can do the geometry and show
>what kind of propagation can get you there - but that's all I know...
>
>- jeff wk6i
>
>jeff stai
>radio stuff: WK6I in DM13
>rocket stuff: NAR #21059 TRA #3356 Level 2 Cert.
>email: jstai@home.com or wk6i@arrl.net
>ROC web page: <http://www.rocstock.org/>
>LDRS web page: <http://www.ldr20.org/>

jeff stai
radio stuff: WK6I in DM13
rocket stuff: NAR #21059 TRA #3356 Level 2 Cert.
email: jstai@home.com or wk6i@arrl.net
ROC web page: <http://www.rocstock.org/>
LDRS web page: <http://www.ldr20.org/>

Date: Mon, 21 May 2001 16:27:48 -0400
From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [98575] Re: Toroid post
Message-ID: <E1F0152638DBD311AEF700D0B74455E21E36FB@EXCHANGE_NH>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Just got the post twice from list members--thanks!

Shawn Upton, KB1CKT
Product Development Engineer - Sensors
Allegro MicroSystems, Inc
Concord, NH
603.228.5533 ext. 429

Date: Mon, 21 May 2001 16:28:03 -0400
From: "John P. Cummins, Sr." <jpcummins@charter.net>
To: noga <nogaqrp@qth.net>, qrp-1 <qrp-1@lehigh.edu>
Subject: [98576] FDIM Images
Message-ID: <3B097A53.88267728@charter.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have put my images of FDIM up on the web. You can see them on the
NoGa "activities" page at:

<http://www.nogaqrp.org>

or go direct to:

<http://www.qsl.net/ad4s/fdim2001/fdim2001.html>

I didn't take any notes (not a trained journalist yet).. so if ya'll
would correct my errors and fill in the names and calls that I didn't
know as well as identifying the equipment that was on display... please
email me and I will update the pages.

Thanks

Pickett, AD4S

Date: Mon, 21 May 2001 21:24:01 +0100
From: Euramcom <mel@euramcom.freeseve.co.uk>
To: <mike@pickmere.demon.co.uk>
Cc: <qrp-1@lehigh.edu>
Subject: [98577] Re: [GQRP] Acid effects
Message-ID: <E151wLP-0001qX-00.2001-05-21-21-31-59@mail2.svr.pol.co.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

On Thu, 17 May 2001 23:17:30 +0100, M.J.Powell wrote:
>In message <00d501c0df1b\$dd626ca0\$6fb2883e@tedspc>, Ted=
Williams
><ted@g0ull.fsnet.co.uk> writes
>>Reference Mike's comment,
>>
>>Give that man an orange!
>>
>>Yes, the orange does indeed contain Citric acid, as does other
>>citrous
>>fruit, and I was making the the point that mild acids from=
quite
>>unexpected
>>sources are able to inflict damage on circuit devices - and I=
don't
>>regard
>>Acetic acid as mild.
>
>You should see that damage a glass of Orange Juice makes when=
poured
>over a circuit board!
>
>Mike
>--
>M.J.Powell

Try a radio in our works security van. The guard dog gets excited=
one
night in the back of the security van. Radio is a boot mounted=
job,
dog gets excited at prospect of sinking teeth into miscreant, dog=
pees, guess where pee goes?

Radio goes dead, dog gets thief, thief is stuffed into back of security van and dog dives in after him. Thief loses his bottle= (and his bowel contents in a hurry) van is never the same again.

Radio is a scrap unit, and nobody likes driving van on hot days.

Such is life. (oh and when Police arrive to arrest thief, they= don't want him in their nice Vauxhall {GM} patrol car, do they?)

Regards

Mel

--72 and 73 de Mel Evans, e-mail mel@euramcom.freeserve.co.uk

Mel Evans GM6JAG Edinburgh Scotland
Home of the last HW9

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Date: Mon, 21 May 2001 13:39:36 -0700
From: Bob Nielsen <nielsen@oz.net>
To: qrp-l@lehigh.edu
Subject: [98578] Re: Got my KD1JV wattmeter kit today!!
Message-ID: <20010521133936.A6988@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Mon, May 21, 2001 at 03:16:47PM -0400, Ed Tanton wrote:
> The title says it all. Am going to "fast-track" it to the top of my long
> list of projects 'cuz so many of 'em need to USE a good QRP wattmeter.

Got mine today also, plus the Spring 2001 QRPP! Hopefully this is all a good omen for the WPX contest this weekend.

72, Bob

Bob Nielsen, N7XY
Bainbridge Island, WA

nielsen@oz.net
<http://www.oz.net/~nielsen>

IOTA NA-065, USI WA-028S

Date: Mon, 21 May 2001 16:07:01 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <wb8zcc@arrl.net>
Cc: <qrp-1@Lehigh.EDU>
Subject: [98579] Astatic mikes D104 crystal, 10D was dynamic
Message-ID: <013e01c0e239\$fb2c4690\$4e100a0a@rohredt2000>

Hi,
The title says it all, there was a bullet shaped dynamic mike made by them to fit the 104 switched stand. It also had a commercial number 10ENZ, as I recall, which is the one I have. I have the original unamplified crystal D104 and it is a great mike!

72,
Stuart K5KVH

Date: Mon, 21 May 2001 21:10:24 +0100
From: "Kenneth Evans" <w4du@mediaone.net>
To: "GQRP" <GQRP@yahooogroups.com>, "QRP-1 Discussion" <qrp-1@Lehigh.EDU>
Subject: [98580] FDIM 2001
Message-ID: <003b01c0e232\$15c13680\$6501a8c0@atl.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A big THANKS to all who made FDIM 2001 a success. The speakers were fantastic. The vendors had great products. And the enthusiasm by all the various clubs got all pumped up. Again, we had record crowds to all events. The entire FDIM 2001 team made my job easy. I am looking forward to next year and attending as a "civilian".

72/3,
Ken W4DU
Chairman: FDIM 2001

Date: Mon, 21 May 2001 16:40:22 +0000

From: "Steven Weber" <kd1jv@moose.ncia.net>
To: w7ox@earthlink.net
Cc: qrp-1@lehigh.edu
Subject: [98581] Re: Got my KD1JV wattmeter kit today!!
Message-ID: <200105212112.f4LLCY413617@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

> Not really, Ed. Where can I find out about it? It is not one I've
> heard of.
>
Phil, et all,

Its' a 10 watt FS digital rms wattmeter

0-9.999 watts, 1 mw resolution.
4 digit led display
True rms power reading of sin and non sinusoidal input signals across
built in 10 W dummy load - uses Analog Devices's AD8361
TruPwr(tm) 2.5 GHz rms detector chip.
3% or better accuracy - no calibration required.
25 KHz to 100+ MHz response
Price, \$59.95 post paid, only 7 kits left.
72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Mon, 21 May 2001 16:23:57 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <k3ng@fast.net>
Cc: <qrp-1@Lehigh.EDU>
Subject: [98582] RTV sealants and corrosion
Message-ID: <017501c0e23c\$58353110\$4e100a0a@rohredt2000>

Hi,
There are both corrosive RTVs and non corrosive. The original Room
Temperature Vulcanizing synthetic rubbers emit Acetic Acid during curing in
combining with ambient moisture needed for the cure. In a confined area,
they will retain the acid or it will react with solder or copper.
And other metal.
There is a RTV that emits an alcohol while curing and thus is not corrosive
to metals.
Dow Corning is the manufacturer of the original and one of those, so check
their web site.
GE makes RTV as well, and probably has a non corroding one by now, as I

recall.

I would not put RTV in a confined space, but on the outside of things. I would tape any electrical joint, solder joint, etc, before putting any chemical sealant or epoxy on it as a seal or potting. Just good practice to tape and pot. Use a good quality tape like Scotch 33 plus, not cheap import vinyl tape.

72,
Stuart K5KVH

Date: Mon, 21 May 2001 16:40:49 -0500 (EST)
From: <igeq100@iupui.edu>
To: Kenneth Evans <w4du@mediaone.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [98583] Re: FDIM 2001
Message-ID: <Pine.GS0.3.96.1010521163921.21252H-1000000@jade.iupui.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Ken -

I echo your thanks, and I will include you in it. I thoroughly enjoyed all of the events that I had the chance to attend. A good job was done on everyone's part.

72/73,
Rich, WB9LPU

On Mon, 21 May 2001, Kenneth Evans wrote:

> A big THANKS to all who made FDIM 2001 a success. The speakers were
> fantastic. The vendors had great products. And the enthusiasm by all the
> various clubs got all pumped up. Again, we had record crowds to all
> events. The entire FDIM 2001 team made my job easy. I am looking forward
> to next year and attending as a "civilian".
> 72/3,
> Ken W4DU
> Chairman: FDIM 2001
>
>
>

Date: Mon, 21 May 2001 22:24:34 -0000
From: "Delbert Long" <ad6we@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [98584] what antenna to use with SMK?
Message-ID: <F248jS8Tcj4PPRE3Ivh00007f5e@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I took my SMK-1 out to the mountains...receiver is great, but still not able to get myself heard with the 300 or so mW ...

I was using a folded dipole fed with RG-58. Couldn't get it up too high, but thought I might at least be heard 50 mi. away.

Open to suggestions...I can do the one or five watt mod, but I would like to have the experience of connecting with someone with less than one watt.
Thanks.

Del, AD6WE

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End of QRP-L Digest 2196

